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| <b>Serial Number</b><br> | <b>Application No.</b><br>10/722,611 | <b>Applicant(s)</b><br>SOREF et al. |  |
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|--|-----------|---|--|---|--|
| <b>TERMINAL DISCLAIMER</b>   |           | <input checked="" type="checkbox"/> <b>APPROVED</b> |  | <input type="checkbox"/> <b>DISAPPROVED</b> |  |
|  |           |   |  |   |  |
| The term of this patent shall not extend beyond the expiration date of U.S. Patent No: | 5,548,128 |   |  |   |  |
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| The term of this patent subsequent to the adjacent date has been disclaimed.           |           |   |  |   |  |
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| <b>INTERNAL DOCUMENT – DO NOT MAIL</b>   |           |   |  | <b>Document Code - DISQ</b>                 |  |

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RENEE PRESTON  
 PARALEGAL SPECIALIST  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of  
Richard A. Soref et al  
Application Serial No. 10/722,611  
Filed: 28 November 2003

Group Art Unit: 2815  
Examiner: Allan Wilson

For: **STRAIN-ENGINEERED DIRECT-GAP  $\text{Ge/Sn}_x\text{Ge}_{1-x}$  HETERODIODE AND  
MULTI-QUANTUM-WELL PHOTODETECTORS, LASERS, EMITTERS AND  
MODULATORS GROWN ON  $\text{Sn}_y\text{Si}_z\text{Ge}_{1-y-z}$ -BUFFERED SILICON**

Honorable Commissioner of Patents  
Alexandria, VA. 22313-1450

Sir:

TERMINAL DISCLAIMER

Your petitioner, the U.S. Government as represented by the Secretary of the Air Force, represents that it is the assignee of the entire right, title and interest in and to the above-identified patent Application Serial No. 10/722,611 filed on 28 November 2003 as well as U.S. Patent 5,548,128.

Your petitioner, the U.S. Government as represented by the Secretary of the Air Force, hereby disclaims the terminal part of any patent granted on the above-identified Application Serial No. 10/722,611, which would extend beyond the expiration date of U.S. Patent No. 5,548,128, and hereby agrees that any patent so granted on the above-identified Application Serial No. 10/722,611 shall be enforceable only for during said period that the legal title to said

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patent shall be the same as the legal title to U.S. Patent Application Serial No. 10/722,611, this agreement to run with any patent granted on the above-identified U.S. Patent Application 10/722,611 and to be binding upon the grantee, its successors or assigns.

Signed at Hanscom AFB on the 16 day of November, 2004

U.S. Government as represented by the Secretary of the Air Force.

A handwritten signature in black ink, appearing to read 'W. G. Auton', is written over a horizontal line.

WILLIAM G. AUTON  
Attorney, ESC/JAZ

For the Government of the U.S. of America as represented by the Secretary of the Air Force.